

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2001050036 A**

**(43) Date of publication of application: 23.02.01**

(51) Int. Cl. **F01N 3/20**  
**B01D 53/94**  
**B01J 23/58**  
**F01N 3/08**  
**F01N 3/10**  
**F01N 3/28**

(21) Application number: **11224910**

(71) Applicant: **HITACHI LTD**

(22) Date of filing: 09.08.99

(72) Inventor: **MANAKA TOSHIO**

**(54) EXHAUST EMISSION CONTROL SYSTEM**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To reduce emission of hazardous gases by maintaining a purification ratio of NOx in lean burn exhaust gas from an internal combustion engine constantly at or above a predetermined level.

**SOLUTION:** Under control where a NOx adsorption catalyst is disposed in an exhaust gas passage, NOx is adsorbed in an oxidization atmosphere of lean burn exhaust gas, and the NOx adsorption catalyst is regenerated in a reduction atmosphere, NOx reduction process is performed according to a calculated NOx adsorption amount. The NOx adsorption amount is calculated excluding an amount of the exhaust gas directly reduced to N<sub>2</sub>.

**COPYRIGHT: (C)2001,JPO**

